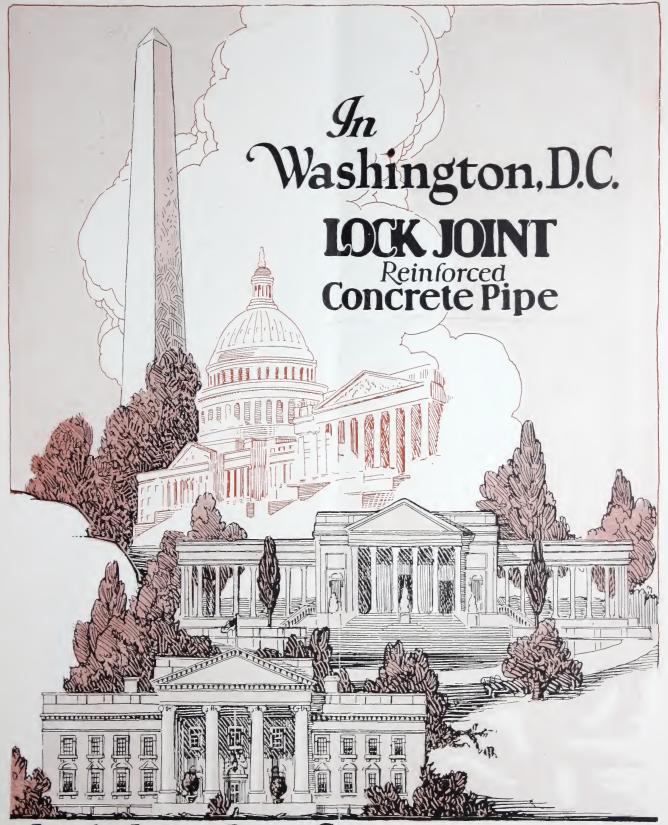
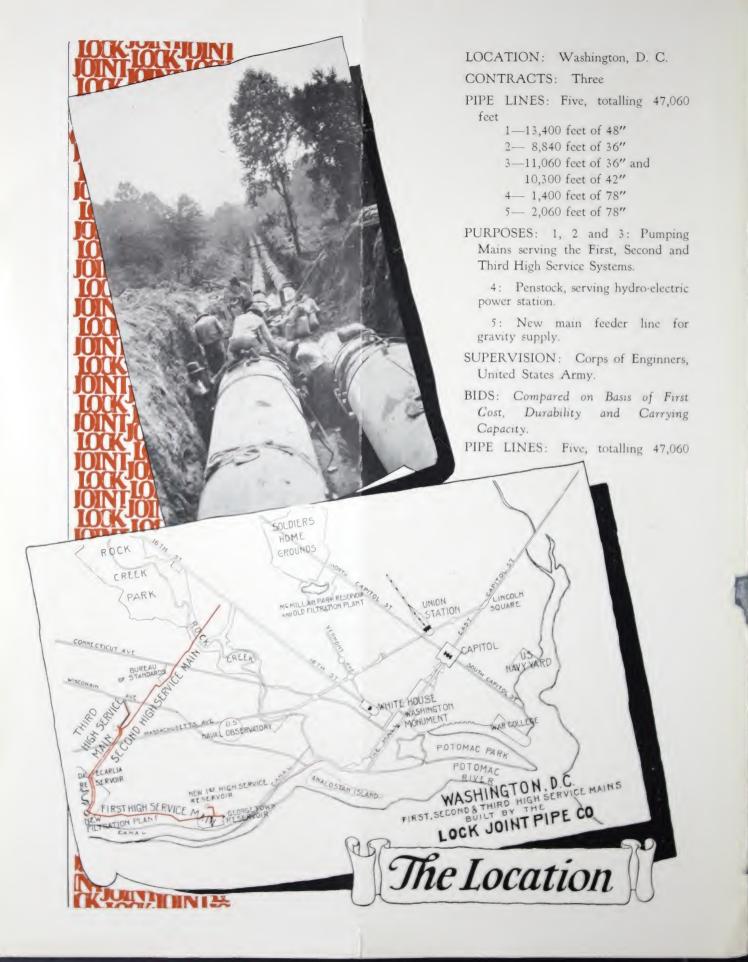
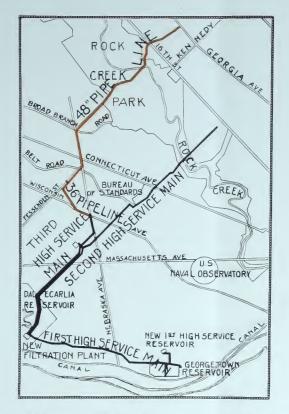
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MAY 20 '27

Lock Joint Pipe Co. - Ampere, N.J.





Two More Washington Contracts Awarded to Lock Joint

URING the few weeks while this booklet was in the process of preparation and printing, two additional contracts for Lock Joint Pressure Pipe have been awarded in Washington, D. C. They constitute the fourth and fifth contracts there for this pipe during a relatively short time.

The location of these new projects, with relation to former Lock Joint work in Washington, D. C., is made clear in the above map.

The fourth contract consists of twenty-four inch pipe, the contract being awarded by the Arlington County Sanitary District. This pipe will furnish water from the City of Washington to the district mentioned, and Lock Joint Pipe will carry it as far as the Potomac River bank. It will be capable of handling pressures up to 450'.

The fifth contract calls for an extension of the Third High Pipe Line in the District of Columbia Water Supply Project. It calls for 16,000 feet of 48" and 4,700 feet of 36" Lock Joint Pipe capable of handling pressures up to 350'. The line will run from the Second High to the Third High Reservoir in order to supply water to the Reno Reservoir and that district of the city adjacent to Nebraska Avenue and Military Road.





The Location

The Most Efficient Most Satisfactory Most Economical in the Long Run/

HE fact has always been recognized that the Value of a pipe line depends upon its Carrying Capacity, Operating Costs, and its Life, and that the only excuse for a Water Line is to Transport Water. The United States Government Engineers have always known this, but not until Lock Joint Cylinder Pipe was perfected for the higher heads were they able to get what they wanted and to properly evaluate advantages on a basis of merit. The specifications and summary of bids found on the two following pages, which relate to one contract, the "First High Service Pipe Line," clearly show relative values and why Lock Joint Pipe was chosen for the important work of supplying water to the Nation's Capitol.



Washington D. C.



Buys Carrying Capacity

WASHINGTON, D. C., BIDS

SUMMARY OF RELATIVE VALUES

-	Lock Joint Reinforced Concrete Pipe	Unlined Cast Iron Pipe	Cement Lined Cast Iron Pipe	Steel Pipe with Bituminous Enamel Coating
FIRST COST				
Lowest bids for the several kinds of pipe	\$283,950.00	\$370,070.50	\$387,088.50	\$358,800.00
DURABILITY	•			
Capitalization of yearly sinking fund to replace pipe at end of its estimated life—				
Steel pipe 35 years Concrete pipe 70 years Cast iron pipe 100 years	18,235.12	7,327.48	7,664.44	90,925.22
CARRYING CAPACITY				
Capitalization of extra annual pumping cost against greater friction	93,417.19	151,246.87	93,417.19	_151,246.87
COMPARATIVE COSTS				
When different pipe lines are brought down to the same basis as to life and carrying capacity	\$395,602.31	\$528,644.87	\$488,170.13	\$600,972.09
PERCENTAGE RELATION				
between comparative costs	100 %	133 %	123 %	152 %



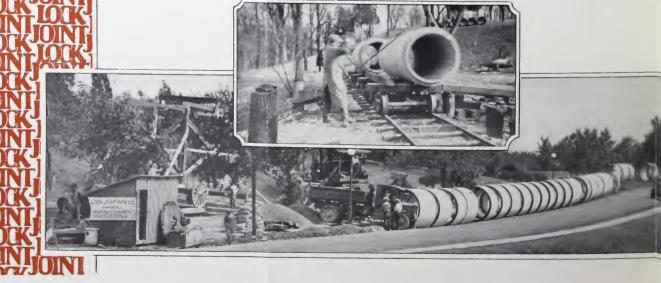


FatherTime Endorses this

HE United States Government, during the past several years, has been building extensive additions to the water supply system of Washington, D. C. A second aqueduct has been built from Great Falls to Dalecarlia Reservoir, and a new filtration plant built at that point. Several new mains of Lock Joint Pressure Pipe will carry the filtered water thence in an easterly direction to the first, second and third high service areas.

The first high-service line, 48" diameter, to operate under 70 pounds per square inch, extends $2^{-1}/_{2}$ miles south eastward along Conduit Road, with connections to mains and to a new reservoir at Georgetown.

The second and third high service lines operating under pressures which run to a maximum of 150 pounds per square inch likewise start from the new filtration plant and run parallel, as 36" lines, for a distance of a mile and a half, to a junction point just north of the American University. One part of the second high service line opens into a





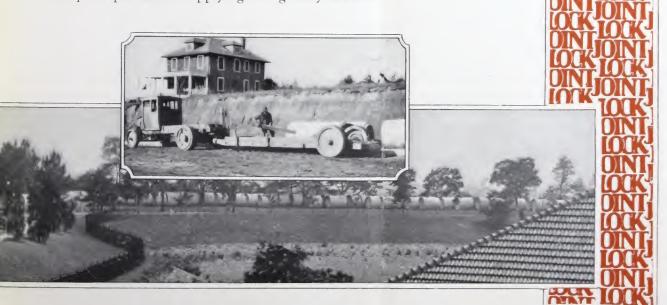
Washington Installation /

new service reservoir, and the other part extends on eastward to the portal of a tunnel, and beyond this tunnel it runs as a 42" pipe past the Bureau of Standards Buildings, crosses Connecticut Avenue, and on down the hill into Rock Creek Park. It goes under Rock Creek and on eastward to a connection with existing mains in the rapidly developing suburban district along North 16th Street.

From the junction point just north of the American University the third high service line, 36" diameter, extends in a northerly direction to serve the area along Wisconsin Avenue.

One of the 78" lines extends from the south end of Dalecarlia Reservoir about 1/4 mile in a southerly direction to serve as a penstock for a hydro-electric plant to be erected close to the Potomac River near Little Falls.

The other 78" line connects the existing filtered water reservoir of the sand filter plant at MacMillan Park north of the City, with the principal mains supplying the gravity service.













Supplying Water to 500000 People in the Nation's Capital

LOCK JOINT
Reinforced
Concrete Pipe